



Dr. Perry Berry, Superintendent
20217 E. Chandler Heights Road
Queen Creek, AZ 85142
480.987.5935

Elementary School No. 9

Summary of Onsite and Offsite Adjacent Ways Fees

Below is a summary of the fees related to the onsite and offsite adjacent ways construction related to Elementary School No. 9.

Vendor	Scope	Onsite Adj. Ways Fees	Offsite Adj. Ways Fees
Core Construction	CMAR GMP	\$429,041.96	\$236,292.00
Orcutt Winslow	Architect (3.75% of GMP)	\$16,089.08	\$8,860.95
Lloyd Engineering	Civil Engineer – Onsite	\$9,350.00	-
Lloyd Engineering	Civil Engineer – 231 st / Access Drive	\$6,250.00	-
EPS	Traffic Impact Analysis	-	\$8,800.00
Dibble Engineering	Civil Engineer – Gary Road	-	\$17,500.00
RAMM	Materials Testing	\$3,280.00	\$4,230.00
Subtotal		\$464,011.04	\$275,682.95
Project Total			\$739,693.99



Queen Creek
Elementary #9 -
Adjacent Ways
Access Road and
On Site

GMP 10/6/20

LOCATION: 26161 S 231ST ST.
QUEEN CREEK, 85142

#	Description	Adjacent Ways Access Road and On Site
	GENERAL REQUIREMENTS	\$391
GR1	General Requirements	\$391
MT/SI	Material Testing / Special Inspection	\$0
	DEMOLITION/ OFF-SITE INFRASTRUCTURE	\$0
	SITE WORK (ROUGH)	\$235,891
6	Surveying/Staking	\$3,480
7	Earthwork & Paving	\$232,411
	SITE WORK (FINISH)	\$124,433
14	Site Signage & Striping	\$3,883
15	Landscaping & Irrigation	\$0
19	Site Concrete	\$120,550
	STRUCTURE	\$0
	ENCLOSURE	\$0
	INTERIOR FINISHES	\$0
	SPECIALTIES	\$0
	EQUIPMENT	\$0
	MEP SYSTEMS	\$0
	SPECIAL SYSTEMS	\$0
	CONTINGENCIES & ALLOWANCES	\$4,290
1.0%	Construction Contingency	\$4,290
0.0%	Design Contingency	\$0
0.0%	Escalation Contingency	\$0
0.0%	Owner Contingency	\$0
Subtotal		\$365,005
	GENERAL CONDITIONS	SUB TOTAL
REQUIRED	General Conditions	\$14,756
Subtotal (with GC's and Prof. Services)		\$379,761
	INSURANCE, BONDS, AND BUILDERS RISK	SUB TOTAL
REQUIRED	General Liability	\$4,290
REQUIRED	Subcontractor Insurance	\$0
REQUIRED	Payment and Performance Bond	\$4,290
REQUIRED	Builders Risk Insurance	\$295
Subtotal (with GC's, Prof. Services, & Insurance)		\$388,637
	SALES TAX	SUB TOTAL
Queen Creek	Sales Tax	\$27,533
65.00%	Sales Tax Multiplier (Included In Sales Tax Rate)	Queen Creek
Subtotal (with GC's, Prof Services, Insurance, & Tax)		\$416,171
	CONTRACTOR'S FEE	SUB TOTAL
3.00%	Construction Manager At Risk Fee	\$12,871
Subtotal (GC's, Prof Services, Insurance, Tax, & Fee)		\$429,042
		Adjacent Ways Access Road and On Site
Estimate Total		\$429,042



Queen Creek
Elementary #9 -
Adjacent Ways
Gary Road

GMP 10/6/20
LOCATION: 26161 S 231ST ST.
QUEEN CREEK, 85142

#	Description	Adjacent Ways Gary Road
	GENERAL REQUIREMENTS	\$215
GR1	General Requirements	\$215
MT/SI	Material Testing / Special Inspection	\$0
	DEMOLITION/ OFF-SITE INFRASTRUCTURE	\$0
	SITE WORK (ROUGH)	\$82,774
6	Surveying/Staking	\$2,320
7	Earthwork & Paving	\$80,454
	SITE WORK (FINISH)	\$115,672
14	Site Signage & Striping	\$10,435
15	Landscaping & Irrigation	\$36,000
19	Site Concrete	\$69,237
	STRUCTURE	\$0
	ENCLOSURE	\$0
	INTERIOR FINISHES	\$0
	SPECIALTIES	\$0
	EQUIPMENT	\$0
	MEP SYSTEMS	\$0
	SPECIAL SYSTEMS	\$0
	CONTINGENCIES & ALLOWANCES	\$2,363
1.0%	Construction Contingency	\$2,363
0.0%	Design Contingency	\$0
0.0%	Escalation Contingency	\$0
0.0%	Owner Contingency	\$0
Subtotal		\$201,024
	GENERAL CONDITIONS	SUB TOTAL
REQUIRED	General Conditions	\$8,127
Subtotal (with GC's and Prof. Services)		\$209,151
	INSURANCE, BONDS, AND BUILDERS RISK	SUB TOTAL
REQUIRED	General Liability	\$2,363
REQUIRED	Subcontractor Insurance	\$0
REQUIRED	Payment and Performance Bond	\$2,363
REQUIRED	Builders Risk Insurance	\$162
Subtotal (with GC's, Prof. Services, & Insurance)		\$214,039
	SALES TAX	SUB TOTAL
Queen Creek	Sales Tax	\$15,164
65.00%	Sales Tax Multiplier (Included In Sales Tax Rate)	Queen Creek
Subtotal (with GC's, Prof Services, Insurance, & Tax)		\$229,203
	CONTRACTOR'S FEE	SUB TOTAL
3.00%	Construction Manager At Risk Fee	\$7,089
Subtotal (GC's, Prof Services, Insurance, Tax, & Fee)		\$236,292
		Adjacent Ways Gary Road
Estimate Total		\$236,292

ADDENDUM #14

TO AGREEMENT BETWEEN OWNER AND ARCHITECT

dated

July 6, 2017

between

QUEEN CREEK UNIFIED SCHOOL DISTRICT

and

THE ORCUTT | WINSLOW PARTNERSHIP

September 15, 2020

Project Name: QCUSD Elem #9 – Adjacent Ways

Project Number: 2020_259-01

1GPA Number: 18-21P-12


NOTE: Fee amount will be revised based on final SFB approved GMP amount.

The following is added to the Scope of Work of the Contract:

The construction cost has increased from TBD to \$399,883 due to final GMP.

Compensation for basic services shall be computed as follows:

	Description	Previous Amount	Revised Amount
1	Basic Services based on a fee of 3.75% of the construction cost.	\$ 0.00	\$ 14,995.61


Owner

09/15/2020

Date


Architect

9/15/20

Date



July 20, 2020

Vispi Karanjia
Orcutt Winslow
2929 North Central Avenue
Phoenix, AZ 85012

**RE: Civil Engineering Services
Elementary School #9
Queen Creek Unified School District
Queen Creek, AZ
[Proposal Number 20137]**

Dear Mr. Karanjia:

Per your request Lloyd Consulting Group, LLC (LLOYD) is submitting this proposal for civil engineering services for elementary school #9 located in Queen Creek, AZ. We understand the project will be located near the intersection of Gary Road and Grange Parkway. Our assumptions are as follows:

- The total project site is approximately 12 acres.
- The civil engineering services will include onsite and offsite improvements as outlined in this proposal. The site is currently agriculture.
- Dry utility coordination will be provided by the Owner.
- Scope and fee are in accordance with the proposed improvements as outlined in the presentation document provided by Orcutt Winslow Partners.
- This proposal includes offsite adjacent ways including two driveways and a deceleration lane on 231st Street, onsite adjacent ways including fire lane, bus drop off, and parent drive loop, and onsite improvements.

SCOPE OF SERVICES

ONSITE IMPROVEMENTS

1.0 Schematic Design

- 1.1 Data Collection: LLOYD will continue to collect available information from the local jurisdiction and utility companies. This includes quarter section maps, existing water and sewer design information, existing drainage reports, as-builts and other available information relevant to the Project that may be applicable for the future development of the site.
- 1.2 Preliminary Grading & Drainage/Paving Plan: This plan outlines general drainage concepts and grading contours, along with general pavement surfaces. This will include stormwater retention and conveyance facilities.

- 1.3 Preliminary Drainage Report: This report outlines drainage calculations, assumptions and findings. This report will serve as the basis of design for the grading and drainage plans.
- 1.4 Preliminary Utility Plan: This plan will provide general water, fire and wastewater layout and respective connections to existing utilities. This includes obtaining will serve letters for water and sewer services.

2.0 Construction Documents

- 2.1 Demolition Plans: Plans outlining items of demolition and salvage will be provided, this would include hardscape, vegetation and other existing improvements. This does not include a tree salvage plan.
- 2.2 Grading & Drainage Plans: Final grading and drainage plans include grading, drainage, and stormwater management. This includes finished floor elevations, hardscape including ADA pathways and ramps, final site elevations, drainage and conveyance, and site details. The undeveloped portions of the project will be reviewed for potential drainage impacts. Earthwork volumes will be calculated with the intent of balancing the site.
- 2.3 Drainage Report: A final drainage report will be based on the approved preliminary documents. The report will include design and analysis of drainage corridors, the retention basins or underground storage, storm drains along with appropriate exhibits noting the locations of these items.
- 2.4 Horizontal Control Plans: Plans will include monuments, line of access, hardscape, location of parking areas and two building corners per building by either dimensions or coordinates.
- 2.5 Onsite Paving Plans: Onsite Paving Plans will be produced which include paving, concrete curbs, and valley gutters. This includes associated striping and signage for parking and ADA stalls.
- 2.6 Water & Wastewater Plans: Water and wastewater plans for the proposed improvements will be provided. This includes domestic water service, fire, and sanitary sewer. All utilities will be brough within five feet of the building, connection locations and inverts will be coordinated with the plumbing engineer. A water service for landscape irrigation will also be provided. It is assumed plan and profile of the utilities is not required and therefore is not included in this scope of services.
- 2.7 Project Meetings and Coordination: LLOYD will attend meetings with the Client, Town and coordinate with other consultants on the team. It is anticipated these meetings will be held virtually using Zoom or equivalent.
- 2.8 Storm Water Pollution Prevention Plan: Prepare a storm water pollution prevention plan (SWPPP) in accordance with Arizona Department of Environmental Quality (ADEQ) Construction General Permit. It is Client's responsibility as operator of the site for obtaining NOI & NOT, implementation, inspection and maintenance of the storm water controls as well as record keeping and updates to the SWPPP plan as required by ADEQ.

3.0 Construction Administration

- 3.1 Provide up to two (2) construction observation visits to assist in monitoring the quality of the contractor's performance.

- 3.2 Participate in project meetings in person or via telephone conference calls when not on-site.
- 3.3 Review of submittals and process requests for information from the Contractor; including test reports and material quality control reports.
- 3.4 Review of inspection logs and reports.
- 3.5 Review Contractor's change order requests and monthly pay application requests.
- 3.6 Project Close-out - Preparation of record drawings generated from contractor markups.

ONSITE ADJACENT WAYS

This scope includes fire lane, bus drop off, and parent drive loop.

4.0 Schematic Design

- 4.1 Preliminary Paving Plans: This plan will provide preliminary layout of the fire lane, bus drop off and parent drive loop.
- 4.2 Paving Plans: This will include plans for pavement sections, concrete curb and valley gutter. It will also include associated signage and striping such as fire lane signs and colored curb.

5.0 Construction Administration

- 5.1 Provide up to two (2) construction observation visits to assist in monitoring the quality of the contractor's performance.
- 5.2 Participate in project meetings in person or via telephone conference calls when not on-site.
- 5.3 Review of submittals and process requests for information from the Contractor; including test reports and material quality control reports.
- 5.4 Review of inspection logs and reports.
- 5.5 Review Contractor's change order requests and monthly pay application requests.
- 5.6 Project Close-out - Preparation of record drawings generated from contractor markups.

OFFSITE ADJACENT WAYS

This scope includes deceleration lane and driveway entrances along 231st Street.

6.0 Schematic Design

- 6.1 Preliminary Grading & Drainage/Paving Plans: This plan outlines driveway entrances and deceleration lane including general drainage concepts and grading contours, along with general pavement surfaces. This will include stormwater retention and conveyance facilities.

7.0 Construction Documents

- 7.1 Demolition Plans: Plans outlining items of demolition and salvage will be provided, this would include hardscape, vegetation and other existing improvements. This does not include a tree salvage plan.
- 7.2 Paving Plans: This includes plans for deceleration lanes and driveway entrances, concrete curb, and valley gutter. Landscape, street lighting and signalized intersections are not included in this scope of work.
- 7.3 Grading & Drainage Plans: This includes plans for stormwater management and grading for the pavement. It includes permanent or temporary stormwater basins and conveyance structures to facilitate proper drainage of the roadway.

8.0 Construction Administration

- 8.1 Provide up to two (2) construction observation visits to assist in monitoring the quality of the contractor's performance.
- 8.2 Participate in project meetings in person or via telephone conference calls when not on-site.
- 8.3 Review of submittals and process requests for information from the Contractor; including test reports and material quality control reports.
- 8.4 Review of inspection logs and reports.
- 8.5 Review Contractor's change order requests and monthly pay application requests.
- 8.6 Project Close-out - Preparation of record drawings generated from contractor markups.

FEE SUMMARY

ONSITE IMPROVEMENTS

1.0	Schematic Design	\$6,200
2.0	Construction Documents	\$19,400
3.0	Construction Administration	\$2,500
Total		\$28,100

ONSITE ADJACENT WAYS

4.0	Schematic Design	\$2,200
5.0	Construction Documents	\$6,150
6.0	Construction Administration	\$1,000
Total		\$9,350

OFFSITE ADJACENT WAYS

6.0	Schematic Design (231 st Street)	\$1,750
7.0	Construction Documents (231 st Street)	\$3,100
8.0	Construction Administration	\$1,400
Total		\$6,250
Reimbursable Expenses		\$1,000 (allowance)

ADDITIONAL SERVICES

ALTA Survey (topography not included) \$5,000

ALTA Survey includes the necessary field and office surveying and calculations necessary to prepare a Boundary Survey and standard ALTA Survey drawing, which will reflect the project boundary, visible onsite improvements including but not limited to buildings, parking, utilities, and potential encroachments (if any visible). Per current ALTA/NSPS Land Title and State of Arizona standards the required section corners or local monuments will be utilized for the completion of the survey. The drawing will meet the currently recognized minimum requirements of a two-dimensional ALTA/NSPS Land Title Survey including review of all title documents provided by the Client. The specific Title Report with a copy of the Schedule "B" documents that may affect the property/survey is to be provided by the Client. All Schedule "B" Title related items included in the title report will be addressed as appropriate.

Topographic Survey \$6,500

Aerial photogrammetry and Mapping will include set ground-based mapping targets for use in completion of aerial photogrammetry of the project site. The mapping consultant will fly over the site collecting the imagery necessary to produce high resolution imagery of the project site. The imagery will be utilized to obtain 1-foot contour interval mapping for the Project and a 100-foot overlap of the abutting properties. The mapping product will meet the current National Mapping Standards and will be sufficient for use in the overall site design process. The final mapping product will include the DTM, 3-D break lines, and visible planimetric details (buildings, roads, utilities, vegetation, etc.). Field work required to document existing hardscape improvements such as existing roadways, drainage channels, etc will be provided.

Dry Utility Coordination \$6,500 (t&m, nte)

This scope includes coordination of dry utility services includes data, communication, gas and electrical services. These services are invoiced on an time & materials basis.

Legal Descriptions \$500 - \$750 (each)

Legal descriptions will be provided on an as needed basis and may include utility easements, right-of-way, and temporary construction easements (TCE). A price will be provided for each legal description and the anticipated range in price is identified above.

CONDITIONS

Specifically excluded from this proposal include:

1. Traffic Study, including intersection geometry
2. Site Electrical
3. Signage and Wayfinding other than what is specified in this proposal
4. Permit Fees
5. Site Structural (landscape wall, footings, etc)
6. Grease interceptors
7. Dry utility Coordination and Design
8. Plat or Map of Dedication
9. Fencing Design
10. Offsite Drainage analysis or design
11. Utility relocations, including irrigation

CLOSING

Please call us with any questions you might have regarding this Agreement. We look forward to working with you and helping to make your project a success.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Anthony Stevenson', with a stylized flourish at the end.

Anthony Stevenson, P.E.
Principal



July 22, 2020

Orcutt | Winslow
Attn: Saravanan Bala
2929 N. Central Ave., 11th Floor
Phoenix, AZ 85012

Re: Queen Creek Unified School District – Elementary School #9
Proposal for Traffic Engineering Services

Mr. Bala,

EPS Group, Inc. (EPS Group) is pleased to provide you with this proposal to provide traffic engineering services for the proposed Queen Creek Elementary #9 project (the Project) within the Harvest Queen Creek master planned subdivision at the southwest corner of Gary Road and Grange Parkway in the Town of Queen Creek, Arizona.

SCOPE OF WORK:

1. TRAFFIC IMPACT ANALYSIS

Fixed Fee: \$8,800

The professional services consist of preparing a Traffic Impact Analysis in accordance with the requirements of the Town of Queen Creek for a proposed elementary school development located on the southwest corner of Gary Road and the future Grange Parkway. Based on our understanding, the Town of Queen Creek is requiring a Traffic Impact Analysis including the evaluation of four intersections and site circulation. The specific tasks consist of the following list:

- Estimate future non-site traffic volumes for the year 2040 utilizing previous traffic reports and / or other recent traffic projections near the study area for the following study intersections:
 - 231st Street / Grange Parkway
 - Gary Road / Grange Parkway
 - One additional study intersection
- Analyze the operation; and recommend traffic control, lane configurations, and turn-lane lengths, for the intersections listed in Task 1 with future non-site 2040 traffic volumes only.
- Estimate new traffic generated by the proposed school development at the intersections included in Task 1 plus one new proposed arterial site access intersection.
- Analyze operation; and recommend traffic control and lane configurations for the intersections listed in Task 1 plus one new proposed arterial site access intersection with future non-site 2040 and the proposed development traffic volumes.
- Review the school bus, and parent pick-up / drop-off circulation for routes, traffic operations and potential safety concerns.
- Prepare a report, including appendix, documenting the procedures, conclusions, and recommendations of the study. A draft report will be provided for Client review prior to submittal to the Town.
- Attend one meeting, only at the direction of the Client or Owner; with the Client, the Owner, other consultants to the Client or Owner, adjacent property owners, consultants to adjacent property owners, and / or the Town of Queen Creek to discuss the analysis procedures, conclusions, and recommendations.

If you should have any questions concerning this proposal, please do not hesitate to call me.

Respectfully,

A handwritten signature in black ink, appearing to read 'Daniel Auxier'.

Daniel Auxier, P.E.
Principal



APPROVED BY:

By _____

Title _____

Date _____



7878 North 16th Street
Suite 300
Phoenix, AZ 85020
P. 602.957.1155
F. 602.957.2838

Mr. Saravanan Bala
Orcutt Winslow Partnership
2929 N Central Ave
11th Floor
Phoenix, AZ 85012

July 24, 2020

Re: **School Off-Site Improvements, Gary Road in Pinal County and Queen Creek, Arizona**

Dear Mr. Bala,

As requested, Dibble Engineering is pleased to present our fee proposal for providing engineering services for preparing plans and estimate (PS&E) for the addition of a deceleration lane, driveway, and median to provide school buses access to the school property along Gary Road just south of Grange Road.

The elements and tasks of this project are described in detail in the attached Scope of Work. The items outlined in the Scope of Work will be accomplished for a total lump sum fee of **\$17,500**. Optional services are also included for an **additional \$4,500**.

If you have any questions, please feel free to call me at 602-957-1155.

Thank you for this opportunity to continue working with Orcutt Winslow Partnership.

Sincerely,
Dibble Engineering

A handwritten signature in blue ink that reads "John R. Holman".

John R. Holman, P.E.
Project Engineer

A handwritten signature in blue ink that reads "S. Detwiler".

Susan H. Detwiler, P.E.
Vice President

Enclosures



7878 North 16th Street
Suite 300
Phoenix, AZ 85020
P. 602.957.1155
F. 602.957.2838

July 24, 2020

Saravanan Bala
Orcutt Winslow Partnership
2929 N Central Ave
11th Floor
Phoenix, Arizona 85012

**RE: School Off-Site Improvements, Gary Road in Queen Creek, AZ
Civil Engineering Services Proposal**

Dear Mr. Bala,

Thank you for the opportunity to submit a proposal in response to your request to provide civil engineering services in conjunction with a school located on the west side of Gary Road, south of Grange Road in Queen Creek, Arizona.

PROJECT DESCRIPTION:

The Queen Creek School District is developing a parcel on the west side of Gary Road just south of Grange Road within the Town of Queen Creek, Arizona. The development of the parcel will require various off-site improvements within the Town of Queen Creek, including stormwater retention, new median, a right turn lane, and a driveway on Gary Road. Gary Road spans the delineation between Maricopa County and Pinal County, with the west side of the road falling within the Town of Queen Creek. An agreement has been executed between Pinal County and the Town of Queen Creek for Pinal County maintain and operate Gary Road between Empire Boulevard and Riggs/Combs Road. Permitting for improvements to Gary Road will need to be approved by both the Town of Queen Creek and Pinal County.

The section of Gary Road adjacent to the school has been awarded for construction, and the beginning of construction work is imminent. Pinal County is widening the existing two-lane roadway to a five-lane facility. The project length is approximately one mile, from Empire Boulevard to Riggs Road/Combs Road. Separate from the Pinal County Gary Road project, Orcutt Winslow Partnership (OWP) has requested a scope and fee from Dibble Engineering (Dibble) to design the improvements to Gary Road required for the school. Design services include roadway, drainage, and signing and marking.

ROADWAY DESIGN

A Traffic Impact Analysis (TIA) is currently underway and will detail the requirements for turn lane length and driveway width/configuration. The roadway improvements design will incorporate the approved geometrics as well as match into the approved geometrics of the Pinal County Gary Road project. One roadway plan sheet and one roadway profile sheet are anticipated for the roadway design improvements.

OFF-SITE DRAINAGE DESIGN

The recently designed Pinal County Gary Road drainage system includes a catch basin at the southern end of the school site and linear retention basin along the frontage of the school to retain the parcel's half street requirements. Dibble will review the increase in pavement runoff due to the addition of pavement and provide a drainage memorandum to Pinal County documenting the drainage impacts to the County-owned Gary Road. It is not anticipated that the sizing of the inlet will be affected. Reconfiguration of the previously designed basin is not included in this scope of work and shall be the responsibility of the on-site development team to account for the additional runoff in the on-site grading plan.

SIGNING AND MARKING

A signing and marking plan will be required for Gary Road to accommodate the new deceleration lane and median revisions. Signs will need to be relocated, deleted, and added along the school frontage and in the median. One signing and marking sheet is anticipated.

CONDITIONS:

- Base Mapping and proposed design files developed to date for the Pinal County Gary Road project will be used for the design, including topography, survey control and baseline
- Soils investigation information conducted for the Pinal County Gary Road project will be utilized for this project, which includes the recommended pavement section design
- Drainage reporting will include a memorandum format
- Submittals will be made via pdf documents. If required, printing will be completed by others or reimbursed at cost to Dibble Engineering
- Submittal and review fees for Queen Creek and Pinal County will paid by the Owner at the time of submittal
- Bid Advertisement documents are not required for the project

DESIGN STANDARDS/PERMITTING AGENCY:

- Paving, signing and marking, and drainage design for off-site improvements will conform to Pinal County standards and will be permitted by Queen Creek and Pinal County.
- On-Site improvements will be permitted by the Town of Queen Creek.

SCOPE OF SERVICES:

1.0 Conceptual Design Development

Dibble will develop base maps in AutoCAD format including topo, right-of-way, and utilities.

2.0 Pre-Final Design Submittal

The pre-final design is anticipated to include five sheets; cover sheet, general notes, roadway plan, roadway profile, and signing and marking plan. An engineer's opinion of probable construction cost will be developed as required. Technical specifications are not anticipated to be required. A drainage memorandum will be developed and submitted to Queen Creek and Pinal County to document the drainage effects due to additional pavement area. An electronic copy of the submittal will be provided to OWP for distribution to permitting agencies. A review meeting will be held to review and discuss comments.

3.0 Final Design Submittal

One set of final, sealed bid documents will be provided in electronic PDF format. The documents will include revisions based on agency review. In addition to the plans, a final engineer's opinion of probable construction cost will be submitted as required.

4.0 Engineer's Opinion of Probable Construction Cost and Specifications

Dibble will prepare an itemized construction cost estimate listing quantities for all bid items impacted by the off-site improvements.

5.0 Project Management and Coordination

Project coordination will include preparation, attendance, and follow-up for project meetings and regular telephone conversations, email and written correspondence with the design team, OWP, and the permitting agencies. Coordination work shall not include coordination with utilities. Coordination with the internal design team is also covered under this task.

It is anticipated that the following meetings will be conducted:

- Design kickoff meeting
- Conceptual design review meeting

Optional Services (Allowances)

6.0 Additional Design Submittal

A contract allowance is included for the possible requirement of an additional design submittal stage.

7.0 Limited Post Design Services

- Respond to Contractor requests for information (RFI's)
- Review civil related contractor submittals
- Coordination with Owner/Contractor (*attend one site visits/construction meetings*)

DELIVERABLES:

- All deliverables will be submitted via pdf documents
- Printing (if required) will be done by others or reimbursed to Dibble Engineering at cost

SCHEDULE:

- Dibble Engineering is prepared to begin immediately and will conform to the project schedule as stipulated by the Owner

EXCLUSIONS:

- Utility potholes
- Geotechnical investigation, including pavement section design & percolation tests
- Field survey
- Permitting
- On-site hydrology/hydraulics
- On-site design
- Utility relocation design
- Legal descriptions & exhibits
- Traffic Study
- Structural design including walls
- Utility Coordination
- Landscape & Irrigation Design
- Retention basin sizing/configuration
- Public involvement
- Stormwater Pollution Prevention Plans
- Environmental investigations
- Bid Advertisement
- Construction staking
- Construction inspection
- As-built survey
- Cost of permits or fees

FEES:

1.0	Conceptual Design Development	\$ 1,500
2.0	Pre-Final Design Submittal	\$ 8,000
3.0	Final Design Submittal	\$ 4,000
4.0	Engineer's Opinion of Probable Construction Cost	\$ 1,500
5.0	Project Management and Coordination	\$ 2,500
Total Lump Sum Fee		\$17,500

Optional Services (Allowances):

6.0	Additional Design Submittal	\$ 3,000
7.0	Limited Post Design Services	\$ 1,500
Total Fee, Including Optional Services		\$22,000

ADDITIONAL SERVICES:

If the Consultant/Engineer is required to perform services in addition to those outlined in the Scope of Work, by reason of substantial changes ordered by the Owner for any reason beyond the Consultant's/Engineer's control, they are to receive compensation for such services. Compensation for additional services not included in the Scope of Work for the basic services shall be based on time expended. Additional services must be approved by the Owner prior to the start of such work. A fee schedule is included in this proposal.

Invoices will be submitted monthly based on the percentage of the survey and civil engineering services that are complete. These invoices will be due and payable upon receipt and will be considered past due if not paid within seven days after receipt of payment from the Owner.

If you have any questions, please feel free to call me at (602) 957-1155.

Sincerely,
Dibble Engineering



Susan H. Detwiler, P.E.
Vice President, Transportation Practice



January 1, 2020

STANDARD BILLING RATES

Principal Engineer	\$ 232.00
Senior Project Manager	205.00
Project Manager	198.00
Senior Engineer	189.00
QA/QC Manager	192.00
Project Engineer (PE)	169.00
Assistant Project Engineer (EIT)	135.00
Senior Technician	141.00
Technician	116.00
Senior Designer	142.00
Designer	123.00
Senior Administrative Assistant	98.00
Administrative Assistant	84.00

Expenses

mileage, reproduction, etc.	Cost plus 15%
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Overtime Rates

Client Authorized	Billing Rate x 1.5
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RICKER • ATKINSON • McBEE • MORMAN
& ASSOCIATES, INC.

Geotechnical Engineering • Construction Materials Testing
2105 South Hardy Drive, Suite 13, Tempe, AZ 85282
Telephone (480) 921-8100 • Facsimile (480) 921-4081

Orcutt Winslow
2929 North Central Avenue, 11th Floor
Phoenix, Arizona 85012

September 21, 2020

Attn: Matthew Boylan

Re: Queen Creek Elementary School No. 9
Gary Road and Grange Parkway
Queen Creek, Arizona

RAMM Proposal No. PT20839

Ricker, Atkinson, McBee & Associates, Inc. is pleased to submit this proposal to conduct Materials Testing Services for the above-referenced project.

The following scope of work and associated **preliminary estimated fee** are based on our experience with similar projects, a preliminary / partial set of plans and other project information provided, and the soils report prepared for the project by this firm. **Charges will be based only on actual time spent and testing performed to provide the services required.** On this project there will be no overtime premium for weekday work and no minimum charge per trip.

On-Site Improvements

Materials Testing

Earthwork: Compaction testing during foundation area overexcavation and backfilling, subgrade preparation and fill placement in building, playfield, exterior concrete areas, and subfloor aggregate base. Includes geotechnical special inspections and pad certifications.

	<u>Unit Rates</u>	<u>Amount</u>
120 Hours	\$ 46.00	\$ 5,520.00
30 Trips	50.00	1,500.00
3 Standard Proctors	120.00	360.00
1 Import Swell	80.00	80.00
1 ABC Sieve and P.I.	200.00	<u>200.00</u>
	Subtotal	\$ 7,660.00

Concrete: Sampling and compressive strength testing of concrete based on an assumed minimum testing frequency of one set of 4 cylinders per 100 or less c.y. and at least one set for each day's placement (estimate 35 sets).

	<u>Unit Rates</u>	<u>Amount</u>
110 Hours	\$ 46.00	\$ 5,060.00
28 Trips	50.00	1,400.00
140 Cylinders	15.00	<u>2,100.00</u>
	Subtotal	\$ 8,560.00

Masonry: Compressive strength testing of grout based on an assumed minimum testing frequency of two sets of grout per each level of masonry, unless otherwise directed by architect (assume 25 sets grout).

	<u>Unit Rates</u>	<u>Amount</u>
85 Hours	\$ 46.00	\$ 3,910.00
25 Trips	50.00	1,250.00
125 Specimens - Grout	15.00	<u>1,875.00</u>
	Subtotal	\$ 7,035.00

Trench Backfill: Compaction testing of bedding and backfill materials for new water, sewer, fire and storm drain lines.

	<u>Unit Rates</u>	<u>Amount</u>
60 Hours	\$ 46.00	\$ 2,760.00
20 Trips	50.00	<u>1,000.00</u>
	Subtotal	\$ 3,760.00

Asphalt Concrete Pavement: Sampling and testing of subgrade, aggregate base and asphalt concrete materials in new on-site asphalt pavement areas.

	<u>Unit Rates</u>	<u>Amount</u>
45 Hours	\$ 46.00	\$ 2,070.00
10 Trips	50.00	500.00
2 Asphalt Marshall/ Extraction/Gradation	130/140	<u>540.00</u>
	Subtotal	\$ <u>3,110.00</u>

ON-SITE MATERIALS TESTING TOTAL: \$ 30,125.00

Special Inspections

Provide special inspections in accordance with the project plans and specifications, and with the applicable IBC / ICC. Special inspections provided by this firm will be billed at \$70.00 per hour, \$50.00 per additional trip and will be conducted by certified inspectors. We will bill only for the time required on-site.

Structural Concrete / Reinforcing Steel (4 additional trips, 12 hours)	\$1,040.00
Structural Masonry / Reinforcing Steel (20 additional trips, 100 hours)	\$8,000.00
Steel Construction / Welding / High Strength Bolts (10 trips, 40 hours)	\$3,300.00
Epoxy / Expansion / Screw Anchors (8 trips, 30 hours)	\$2,500.00
Soils / Foundations	<u>Included in Materials Testing</u>

ON-SITE SPECIAL INSPECTION TOTAL: \$ 14,840.00

On-Site Adjacent Ways Improvements

Materials Testing

Earthwork: Compaction testing during subgrade preparation and fill placement in new exterior concrete areas (east-side curbs, gutters, sidewalks).

	<u>Unit Rates</u>	<u>Amount</u>
10 Hours	\$ 46.00	\$ 460.00
3 Trips	50.00	150.00
1 Standard Proctor	120.00	<u>120.00</u>
	Subtotal	\$ 730.00

Concrete: Sampling and compressive strength testing of concrete based on an assumed minimum testing frequency of one set of 4 cylinders per 100 or less c.y. and at least one set for each day's placement (estimate 3 sets).

	<u>Unit Rates</u>	<u>Amount</u>
10 Hours	\$ 46.00	\$ 460.00
3 Trips	50.00	150.00
12 Cylinders	15.00	<u>180.00</u>
	Subtotal	\$ 790.00

Asphalt Concrete Pavement: Sampling and testing of subgrade, aggregate base and asphalt concrete materials in new on-site asphalt pavement areas.

	<u>Unit Rates</u>	<u>Amount</u>
20 Hours	\$ 46.00	\$ 920.00
5 Trips	50.00	250.00
1 ABC Proctor/Sieve/P.I.	320.00	320.00
1 Asphalt Marshall/ Extraction/Gradation	130/140	<u>270.00</u>
	Subtotal	\$ 1,760.00

**ON-SITE ADJACENT WAYS MATERIALS TESTING
TOTAL:**

\$ 3,280.00

Off-Site Adjacent Ways Improvements

Off-Site Improvements: Compaction testing of subgrade and sampling and compressive strength testing of concrete for new curbs, gutters, sidewalks and driveways based on the MAG specified minimum testing frequency of one set of 4 cylinders per 50 or less c.y. and at least one set for each day's placement (estimate 6 sets). Sampling and testing of subgrade, aggregate base and asphalt concrete materials in new asphalt pavement areas.


	<u>Unit Rates</u>	<u>Amount</u>
55 Hours	\$ 46.00	\$ 2,530.00
16 Trips	50.00	800.00
24 Concrete Cylinders	15.00	360.00
2 Asphalt Rice Density/ Extraction/Gradation	130/140	<u>540.00</u>
	Subtotal	\$ <u>4,230.00</u>

**OFF-SITE ADJACENT WAYS MATERIALS TESTING
TOTAL:**

\$ 4,230.00

Fee includes reports for all inspections, test results, transportation, clerical and postage. We look forward to working with you on this project.

Respectfully submitted,
RICKER, ATKINSON, MCBEE & ASSOCIATES, INC.



David A. Thomas, P.E.
Manager, Construction Phase Services
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